

Data Manipulation

Stored Program

Stored Program

Early computers

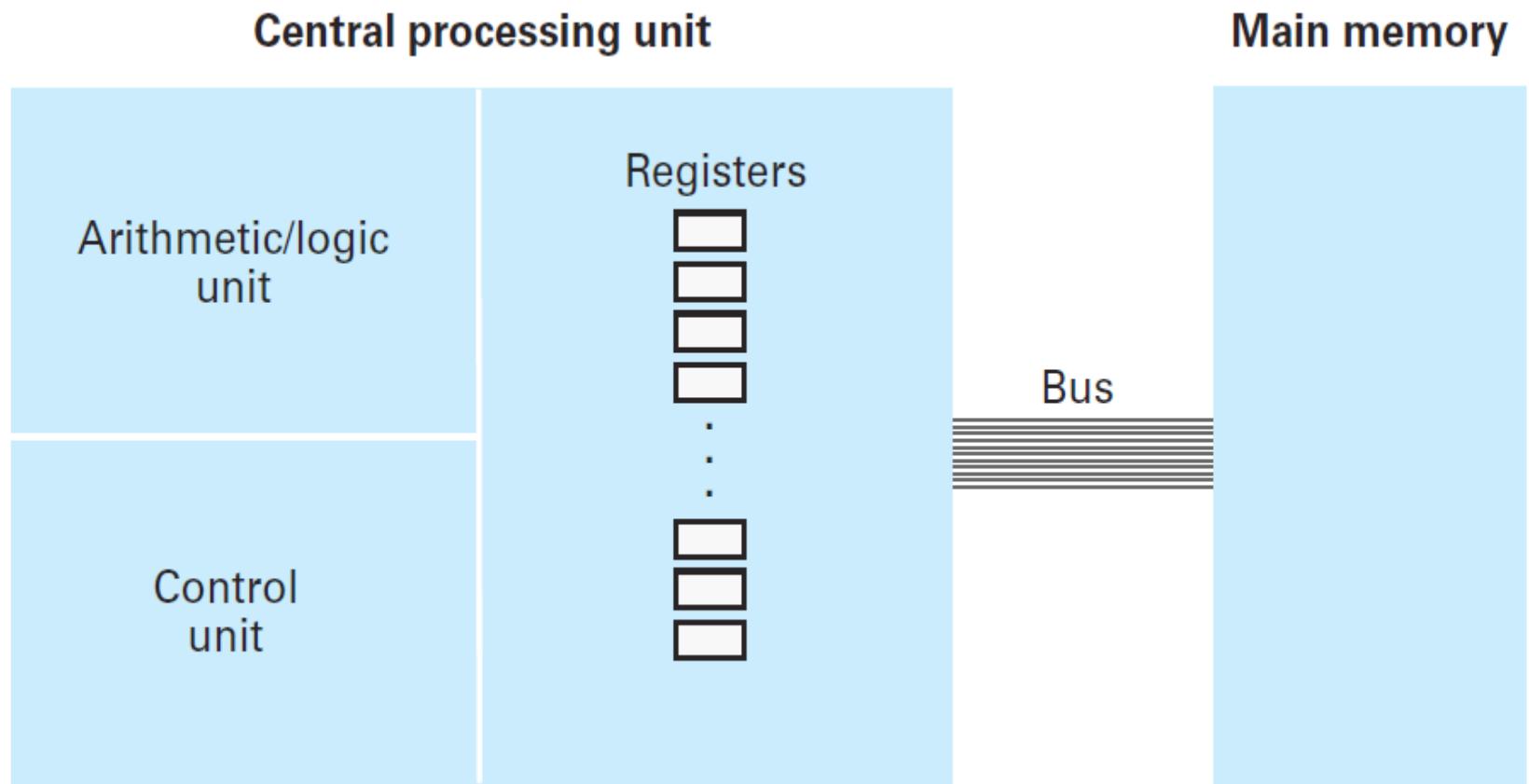
- ✓ Not flexible
- ✓ Steps (Algorithm) was part of the CPU.
- ✓ Next thing was to rewire the CPU
- ✓ A breakthrough of storing the program in Main memory.
incorrectly credited to John Von Neumann.

Recall Addition Algorithm

Adding values stored in memory

- Step 1. Get one of the values to be added from memory and place it in a register.
- Step 2. Get the other value to be added from memory and place it in another register.
- Step 3. Activate the addition circuitry with the registers used in Steps 1 and 2 as inputs and another register designated to hold the result.
- Step 4. Store the result in memory.
- Step 5. Stop.

Stored Program



Summary

Stored Program

- ✓ Putting algo within CPU
- ✓ Rewiring of CPU
- ✓ Stored programs